

## IN THE CLAIMS

1. (Currently Amended): ~~Method A method~~ for producing a tube with a compressible peripheral wall, ~~comprising the steps of wherein:~~

injection molding of an integral unfinished tube comprising a tube body, a tube shoulder and a tube outlet using a female die, a core and a neck mold[[],] ;

demolding the unfinished tube by withdrawing the core while retaining the unfinished tube in the neck mold, and withdrawing the female die[[],] ;

releasing the unfinished tube from the neck mold[[],] ; and

flattening and closing the open end of the tube body.
2. (Currently Amended): The method of claim 1, ~~characterized in that wherein~~ a sheet or a sleeve is placed between the core and the female die and caused to contact the core or the female die.
3. (Currently Amended): The method of claim 1, ~~or 2, characterized in that wherein~~ a sheet is placed between the core and the neck mold and caused to contact the core or the neck mold.
4. (Currently Amended): The method of ~~one of claims 1-3 claim 1, characterized in that wherein~~ air is supplied through a blow line of the core to between the unfinished tube and the core to reduce adhesion to the core.
5. (Currently Amended): The method of ~~one of claims 1-4 claim 1, characterized in that wherein~~ a demolding bevel of the female die is made larger than a demolding bevel of the core.

6. (Currently Amended): The method of ~~one of claims 1-5~~ claim 1, ~~characterized in that~~ wherein the female die or the core is provided with a slide coating.
7. (Currently Amended): The method of claim 2, ~~or 3, characterized in that~~ wherein the sheet or the sleeve is made of a material having high resistance against the material to be filled into the tube.
8. (Currently Amended): The method of claim 2, ~~or 3, characterized in that~~ wherein the sheet or the sleeve is made of a material impermeable to vapor, gas or solvent.
9. (Currently Amended): The method of claim 2, ~~or 3, characterized in that~~ wherein the sheet or the sleeve comprises a printed label or a decorative sheet.
10. (Currently Amended): The method of claim 2, ~~or 3, characterized in that~~ wherein the sheet or the sleeve is made from a plastically deformable material that counteracts the restoring property of the soft plastic material.
11. (Currently Amended): The method of ~~one of claims 1-10~~ claim 1, ~~characterized in that~~ wherein the core or a part thereof is supported at the neck mold during at least a part of the injection phase.
12. (Currently Amended): The method of ~~one of claims 1-11~~ claim 1, ~~characterized in that,~~ wherein in a first injection phase, conically centered webs support the core or a part thereof at the neck mold in a centering portion between the tube shoulder and the tube outlet, and, in a fill-up phase, the core or a part thereof is held spaced from the centering portion to fill the portions held free by the webs during the injection phase.

13. (Currently Amended): A tube produced according to the method of ~~one of claims 1-12~~ claim 1, ~~characterized in that~~ wherein ribs are formed near the tube shoulder.
  
14. (Currently Amended): A tube produced according to the method of ~~one of claims 1-12~~ claim 1, ~~characterized in that~~ wherein grooves are provided near the tube shoulder to hold the unfinished tube when the injection mold is opened, and that a portion of reduced wall thickness is provided adjoining the grooves.